

Asset Management Implementation Plan

Action Item #1: Develop and implement a process to incorporate asset management results into transportation infrastructure improvements.

Roads and Bridges – Transportation Asset Management Council

The goal of the Transportation Asset Management Council is to expand the practice of asset management statewide so as to enhance the productivity of investing in Michigan's road and bridges through coordination and collaboration among state and local transportation agencies. The Council expects to develop an asset management process that is easily communicated and used by all transportation agencies and that leads to a road system that is managed by function.

To accomplish this goal, the Council has developed a multi-year work program that features the following major work activities.

1. Survey and report road and bridge conditions by function classification categories according to Statewide and regional totals. To date, the Council has completed the first year of an annual survey of road and bridge conditions. This initial survey was focused exclusively on the federal-aid system but will eventually be expanded to include all public roads and bridges in the State.
2. Develop and maintain a database of completed and planned (minimum 3 years) investments in road and bridge projects.
3. Support the development of appropriate asset management tools and procedures. Condition data in combination with information on completed and planned investments will allow the council and individual transportation agencies to forecast and assess the effectiveness of alternative investment decisions.
4. Provide education and training on the benefits of developing annual improvement programs with the use of asset management principles and procedures.

Action Item #2: Public awareness and education on the value of asset management.

Roads and Bridges – Transportation Asset Management Council

The Council is committed to expanding awareness of the value of asset management and to educating groups and individuals on its principles, procedures, and tools. A major effort in this regard is the publication of an annual report of Council activities, finding, and recommendations. This report is provided to the State Transportation Commission, Legislature, and the Transportation Committees of the House and Senate by May 2 each year.

During 2003, the Council established a public information program that consisted of several elements. The primary means of informing the public of the Council's activities can be found on their web site at www.michigan.gov/mdotamc. Information at this site includes: bios of the Council members, meeting dates and minutes, monthly and quarterly reports, the Council's Annual Report, as well as the Council's goal statement, objectives, and priorities. In addition, stakeholder groups are provided quarterly reports and copies of any major reports finalized by the Council. Stakeholders include the directors of the agencies or organizations represented on the Council, Federal Highway Administration officials, Michigan Chapter of American Public Works Association, Michigan Trucking Association, Asphalt and Concrete Associations, the Local Technical Assistance Program (LTAP), the House and Senate Fiscal agency staff, Michigan Road Builders Association, and members of the Asset Management Action Team (Transportation Summit).

During 2004 the Council will establish an on-going liaison with the Asset Management Action Team as well as national asset management groups such as AASHTO's Task Force on Asset Management and the Midwest Region University Transportation Center. In addition, the Council will be working on the development of a communication and educational outreach plan.

Action Item #3: Implement a process for maintaining a comprehensive inventory.

Roads and Bridges – Transportation Asset Management Council

The legislation establishing the Asset Management Council requires annual reporting of road and bridge conditions as well as work performed and funds expended on those assets. To that end, the Council has adopted the PASER rating methodology for assessing the condition of roads. During 2003, teams of individuals representing state, county, and city transportation agencies conducted the initial condition survey. Staff from many of the state's regional planning commissions and metropolitan planning organizations contributed greatly to this effort. For current bridge conditions, the National Bridge Inventory is being used.

The intent is to conduct road and bridge condition surveys each year to gauge system performance with regard to established targets. The Council will evaluate the possibility of sampling for the annual condition survey.

The Council has designated the Center for Geographic Information (CGI) as its central data agency. CGI is an independent agency responsible for storing, maintaining, and retrieving Council data as requested.

The Council is currently working to identify data requirements to maintain a comprehensive investment database. Ultimately, this will include information on the location and type of completed and planned (min. 3 years) improvements.

Action Item #4: Engage in research to develop common inter-modal performance measures and best practice.

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The Council will establish performance measures to assess the achievement of system goals. This will be worked on as additional information is gathered on road and bridge conditions and investments. The Council is prepared to work cooperatively with the Summit Action Team to explore common inter-modal measures.

The Council is also working to define “best practice” principles and procedures for asset management in the area of roads and bridges. These basic principles and procedures may be applicable to other modes as well.